

FTGURE 1

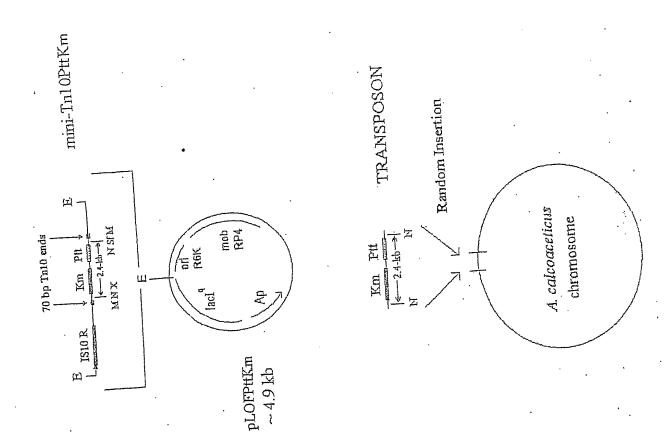


FIGURE 2

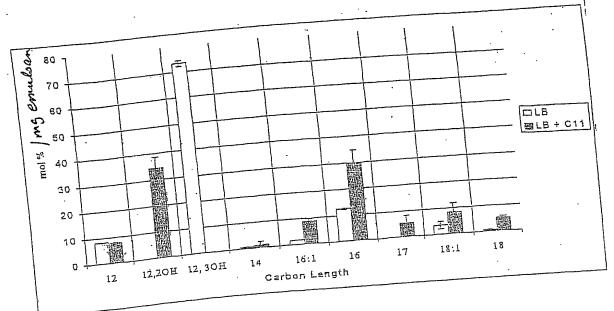


FIGURE 3A

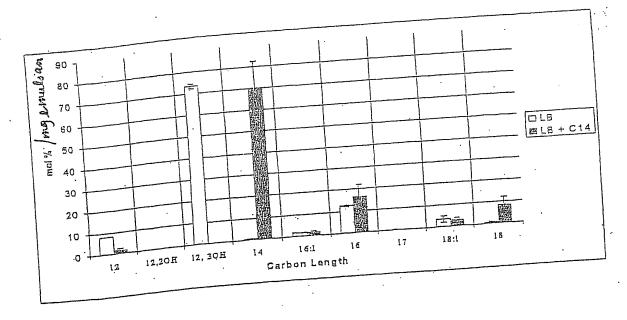


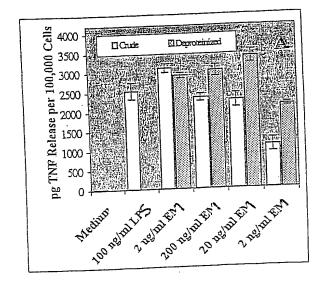
FIGURE 3B

	Emuls	ification Activity i	n Klett Units
Carbon Source	Hexadecane (C16)	Tetradecane (C14)	Dodecane (C12)
LB	15 ± 2	12 ± 0	18 ± 3
LB + C11	11 ± 1	8 ± 0	$5\pm0$
LB + C14	343 ± 11	208 ± 25	$163 \pm 95$
LB + C16	$100 \pm 20$	5 ± 1	0
LB+C18	145 ± 40	$275 \pm 30$	$100 \pm 31$

FIGURE 4A

	Emuls	ification Activity is	n Klett Units
Carbon Source	Hexadecane (C16)	Tetradecane (C14)	Dodecane (C12)
LB	5 ± 0	$0 \pm 0$	5 ± 0
LB + C11	$20\pm0$	5 ± 0	$0\pm0$
LB + C14	. 0	0	0
LB+C16	7.5 ± 7	5±1	0
LB+C18	235 ± 25	140±20	52 ± 18

FIGURE 4B



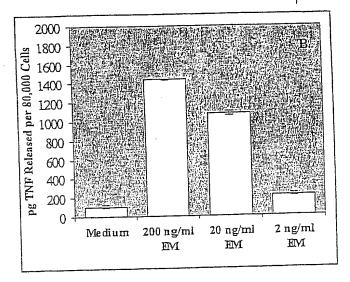


FIGURE 5A

FIGURE 5B

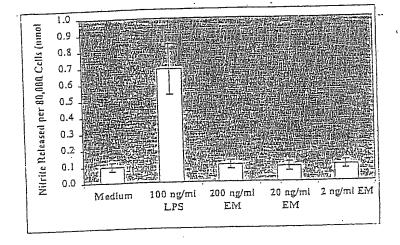
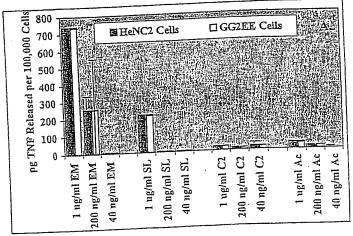


FIGURE 6



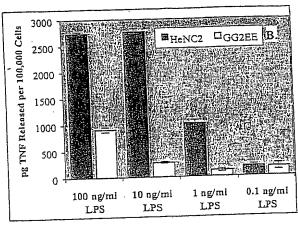
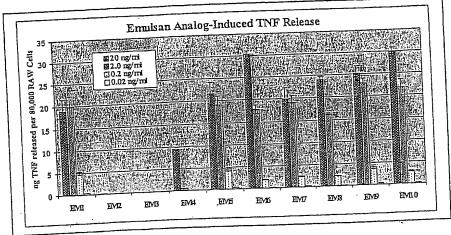


FIGURE 7A

FIGURE 7B

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na vental		EIIII			÷			
A. calcoaceficus strain and culture	RAG-1 on Ethanol	M2 (13D) on C14 saturated	M1 (62D) on C14 saturated	RAG-1 on C15 saturated	RAG-1 on C16 unsaturated	RAG-1 on C17 saturated	RAG-1 on C18 saturated	RAG-1 on C20 saturated
conditions							Eofth acid	Fatty acid
	Fatty acid content	Faffy acid content	Fatty acid content	Fatty acid Fatty acid Fatty acid Fatty acid content co	Fatty acid content (nmol/mg Emulsan)	Fatty acid content (nmol/mg Emulsan)	content (nmol/mg Emulsari)	content (nmol/mg Emulsan)
	(nmol/mg t=mulsan)					0 50	8.26	12.18
C12:0	22.65	0.10	(n)	rų cu	1c.4F	0.00		£
2000	0000		44.63	22.53	10.7	38.99	58.88	38.09
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	118 11		89.69	46.99	86.75	17.10	99.05	56.13
		11 23 23		<u> </u>	-	6870	1.07	ć ć
) · · · · · · · · · · · · · · · · · · ·		· •		di.		2.81	2.62	
C15:0					<u>.</u>	7.02	· -	2.38
C16:1	8.92	. 0.08	<u></u>		Ö	? ?	. !	c u
C16:0	46.25	.23	6.0 (C)	Ser.		C 27. 15		20.0
	and the second second					37.66		
2 5		1. 6		`		0.85		1,66
C18:1		C7'1	2 .	٠ د د	,	2.35	بن <u>ت</u>	•
C18:0	4.62	0.66	17.()	3.01	CHECK THE SECTION OF		30 04 1	120.19
total	270.06	8,46	80.53	106.31	138.13	117.43	on's / L	

FIGURE 8





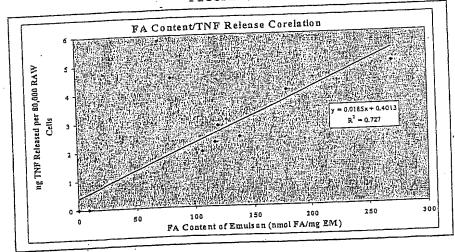


FIGURE 9B

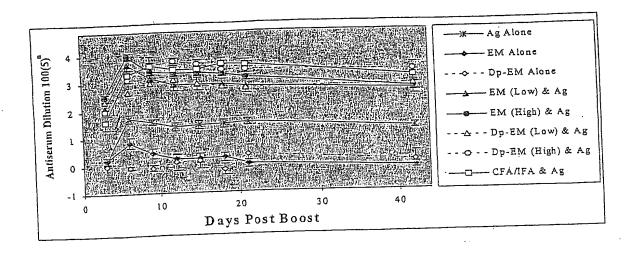
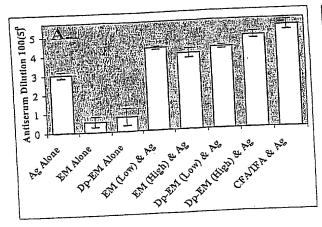


FIGURE 10



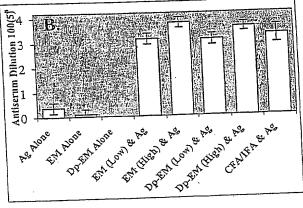


FIGURE 11A

FIGURE 11B

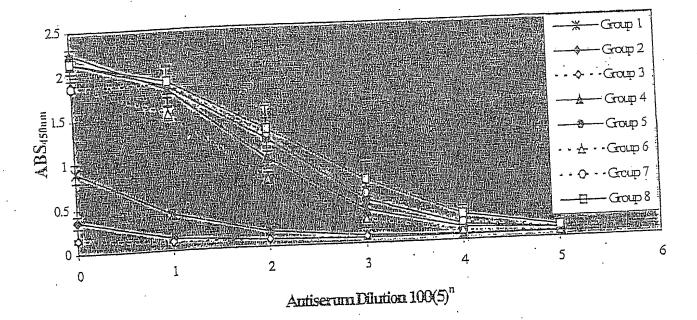


FIGURE 12